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What is claimed is:

1. A quartz crystal microbalance sensor using molecularly imprinted polymers comprising:

a quartz crystal microbalance sensor having a surface;

a matrix of synthesized monomers coating said surface; and

a multifunctional monomer for use as an adhesive;

wherein said multifunctional monomer adheres the polymerized matrix to said surface of said sensor, and said matrix is a molecularly imprinted polymer.

2. The sensor as claimed in claim 1, wherein said multifunctional monomer is bis(dehydroalanine) comprising the formula:

- 3. The sensor as claimed in claim 1, wherein said synthesized monomers comprise acrylic monomers having aromatic linkers.
- 4. A quartz crystal microbalance sensor using molecularly imprinted polymers comprising:

a quartz crystal microbalance sensor having a surface;

a matrix of acrylic monomers polymerized to coat said surface of said quartz microbalance sensor; and

a multifunctional monomer comprising bis(dehydroalanine) of the structure

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wherein said bis(dehysroalanine) adheres said polymerized matrix to said surface of said sensor, and wherein said matrix is molecularly imprinted.

5. An apparatus for detecting at least one contaminant in a solution, said appartus comprising:

a conduit;

a molecularly imprinted polymer to attract said contaminant, said molecularly imprinted polymer disposed within said conduit; and

a quartz crystal microbalance sensor for sensing said contaminant attracted by said molecularly imprinted polymer;

wherein said sensor sends a signal indicating said contaminant is present in said solution.

- 6. The apparatus as claimed in claim 5 further comprising a microprocessor in communication with said sensor, said microprocessor being programmed to process said signal and determine the presence of said contaminant based upon the processed signal.
- 7. The apparatus as claimed in claim 5 further comprising a multifunctional monomer for use as an adhesive, wherein said multifunctional monomer adheres said molecularly imprinted polymer to said sensor.
- 8. The apparatus as claimed in claim 7, wherein said multifunctional monomer further comprises the structure:

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9. The apparatus as claimed in claim 8 wherein said molecularly imprinted polymer is programmed to attract a contaminant selected from the group consisting of hexachlorobenzene, cyclohexane, chlorobenzene, benzene, and anisole.